

# Notice of Allowability

Application No.

09/886,851

Examiner

Etienne P LeRoux

Applicant(s)

CONLEY ET AL.

Art Unit

2161

-- **Th MAILING DATE of this communication appears on the cover sheet with the correspondenc address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication of 7/27/2004.
2. ☒ The allowed claim(s) is/are 18-23 and 34.
3. ☒ The drawings filed on 20 June 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**SAFET METJAHIC**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

*Examiner's Amendment*

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

*Examiner's Amendment – Part 1*

IN CLAIM 18:

A computer-implemented method [~~comprising~~] for automatically generating network site and site link information from a router configuration file for use in a directory service [–, ]  
[~~by~~] comprising:

reading preprocessing information, the preprocessing information including override information for nullifying information associated with one or more sites or one or more site links from one or more router configuration files; and  
reading router interface information from a router configuration file associated with each of one or more routers, wherein one or more site references is generated by identifying a sub-network on a Local Area Network (LAN) interface and one or more site link references is generated by identifying a Wide Area Network (WAN) interface and wherein the override information is applied to the site and site link references

wherein the step of reading preprocessing information comprises;

reading a list of one or more site names from a data storage associated with a network management system;

reading from the data storage a list of one or more preprocessing site links and associated site link costs;

comparing one or more site names parsed from the one or more preprocessing site links to the list of one or more site names from the data storage and discarding one or more preprocessing site links upon failure to match;

reading from the data storage a list of one or more preprocessing address blocks and at least one from a set consisting of a preprocessing site name associated with the one or more preprocessing address blocks or a command to ignore the one or more preprocessing address blocks;

comparing the preprocessing site name associated with the one or more preprocessing address blocks to the list of one or more site names from the data storage and discarding one or more preprocessing address blocks upon a failure to match;

reading a list of one or more domain controllers from the data storage and associating the one or more domain controllers to an Internet Protocol address and to a site name obtained from a network management system;

determining a domain associated with the one or more domain controllers;

comparing the Internet Protocol address for each of the listed domain

controllers to the list of one or more preprocessing address blocks;

whereupon the step of reading preprocessing information aborts if the Internet

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Protocol address is within one or more preprocessing address blocks and the preprocessing site name associated with the one or more preprocessing address blocks is not the same as the site name obtained from the network management system that is associated with the one or more domain controllers; and

whereupon the step of reading preprocessing information continues excluding the one or more domain controllers from further processing if the Internet Protocol address is within one or more preprocessing address blocks associated with the command to ignore the one or more preprocessing address blocks.

Authorization for this examiner's amendment was given in a telephone interview with Mr. John Henkhaus on 12/08/2004.

***Examiner's Amendment – Part 2***

Claims 33 and 35 are cancelled.

Authorization for this examiner's amendment was given in a telephone interview with Mr. John Henkhaus on 12/13/2004.

***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance:

Instant invention drawn to a method for automatically generating network site and site link information from a router configuration file for use in a directory service is allowable for

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including the following nonobvious improvement over the prior art of record, in conjunction with the remaining claim limitations:

*reading preprocessing information which includes override information for nullifying information associated with one or more sites or one or more site links.*

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Etienne LeRoux whose telephone number is (571) 272-4022. The examiner can normally be reached on Monday – Friday from 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic, can be reached on (571) 272-4023.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

Etienne LeRoux

12/13/2004

  
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